

ABSTRACT OF THE INVENTION

A novel neurotrophic factor referred to as glial cell line^(B)~~derived~~
~~derived~~ neurotrophic factor (GDNF) has been identified
and isolated from serum free growth conditioned medium
of B49 glioblastoma cells. Rat and human genes
encoding GDNF have been cloned and sequenced. A gene
encoding GDNF has been subcloned into a vector, and the
vector has been used to transform a host cell in order
to produce biologically active GDNF in a recombinant
DNA process.